BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/06/2022-23 Dated: 24-06-2022

APPROVED TENDER SCHEDULE –'B'

Item 05

Name of Work :-Improvements to roads, drains and other developmental works at Shivamandira road, Mathru layout, Sharada Nagar, Judicial Layout and Surrounding Areas in ward No 02,03 and 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No 05)

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri. GOPIREDDY	
				Rate	Rate in Words
1	Dismantling of existing structures like culverts bridges retaining walls and other structure comprising of masonry cement concrete, wood work steel work including T P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B Cement Concrete Grade M 15 M 20	Cum	18.27	819.97	Eight Hundred Nineteen Paise NinetySeven Only
2	Dismantling of cement concrete pavement by mechanical means using pneumatic tools breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separatel.	Cum	58.80	473.25	Four Hundred SeventyThree Paise TwentyFive Only
3	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels key trenches foundation of bridges and such simillar works in all kinds of soils as per drawing and technical specifications including setting out, shoring strutting barricading, caution lights removal of stumps and other deleterious matter excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.	Cum	8070.95	341.00	Three Hundred FourtyOne Only
4	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness well compacted using plate vibrators including all lead & lifts cost of all materials of quality, labour Usage charges of machineries curing and all the other appurtenances required to complete the work as per technical specifications.	Cum	1547.60	6452.10	Six Thousand Four Hundred FiftyTwo Paise Ten Only
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building Irrigation works, Sub structure works of bridges Drain works & other parallel works from 0.50m to 3.50 m height. The granite trap basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary including all lead & lifts, cost of all materials of quality confirming to the requirements of relevant IS codes labour Usage charges of machinery curing and all other appurtenances required to complete the work as per technical specifications M20 The cost of steel reinforcement & formwork to be paid separately	Cum	2156.26	7368.31	Seven Thousand Three Hundred SixtyEight Paise ThirtyOne Only
6	Supplying Fitting and Placing un coated TMT bar Reinforcement in sub structure complete as per Drawing and Technical Specifications MORTH Specification NO 1600 and 2200	tonne	134.90	115906.72	One Lakh Fifteen Thousand Nine Hundred Six Paise SeventyTwo Only

Executive Engineer,
Yelahanka Division,
B.B.M.P. Bangalore-64

	viding and Fixing pre cast covering Slab made out of CC 1:2:4 h 10cm thick made of M25 with OPC cement at 340kgs per Cum ith 20 mm and Down size graded granite metal coarse agg 70 mixed including providing and removing centering, shuttering, shuttering propping etc for edges of slabs with TMT (Fe500) COM labor labor all Lead and Lift, HOM, Curing, including Cost of reinf. Etc Complete as directed by the Engineer In charge of Work (Data Rate)	Sqm	5025.34	2112.92	Two Thousand One Hundred Twelve Paise NinetyTwo Only
8	Providing B S slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)	Sqm	404.05	853.53	Eight Hundred FiftyThree Paise FiftyThree Only
9	Providing Machine Cutting edges to B S slab 2.5 cms. wide as per specifications.(only chamfered length shall be recorded) inclusive of all Taxes complete as directed by the Engineer in Charge of the work (excluding Area Leading Charges)	M	897.90	397.70	Three Hundred NinetySeven Paise Seventy Only
10	Providing and Fixing pre cast covering Slab made out of CC M20 with 150cm thick and Finishing cutting including form work,curing,including cost of all materials labour hire charges of machinery loading,unloading lead and lift,transportation etc ,copmplete (Data Rate)	Sqm	120.00	2612.60	Two Thousand Six Hundred Twelve Paise Sixty Only
11	Providing Size Stone masonry with hard stone in foundation and plinth with Cement mortar 1:6 (1 cement 6 coarse sand)	Cum	152.00	6081.99	Six Thousand EightyOne Paise NinetyNine Only
12	Providing Flush/Ruled pointing Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials labour curing as per specifications and as per directions of Engineer in charge.	Cum	165.12	224.35	Two Hundred TwentyFour Paise ThirtyFive Only
13	Providing and Fixing pre cast covering Slab 230mm thick made out of CC 1:1.5:3 and jelly 20mm Down size with steel reinforcement including form work curing including cost of all materials labour hire charges of machinery loading unloading, lead and lift,transportation etc complete As per Engineer incharge	Sqm	494.70	5136.48	Five Thousand One Hundred ThirtySix Paise FourtyEight Only
14	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite trap basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead lifts cost of all materials of quality, confirming to the requirements of relevant IS codes labour Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. Mix 1:2:4 (M15)	Cum	91.40	6838.04	Six Thousand Eight Hundred ThirtyEight Paise Four Only
15	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)	Nos	8555.33	517.01	Five Hundred Seventeen Paise One Only
16	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. MORTH Chapter 803	Sqm	1453.62	95.35	NinetyFive Paise ThirtyFive Only

Executive Engineer,
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B.B.M.P, Bangalore-64

	viding and laying heavy duty cobble stones 60mm thick interlock ers, using cement and course sand for manufacture of blocks of proved size shape and colour with a minimum compressive rength of 281 kg per m2 over 50mm thick sand bed (average hickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints final compaction of paver surface joints into its final level including cost of materials labour and Usage charges of machinery complete as per specifications.	Cum	2854.95	1219.32	One Thousand Two Hundred Nineteen Paise ThirtyTwo Only
18	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth.	Cum	1580.18	72.91	SeventyTwo Paise NinetyOne Only
19	Construction of Granular Sub Base of required grading as per design mixing in a mechanical mix plant at OMC, carriageof mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 (For Grading V Material)	Cum	1055.32	2632.69	Two Thousand Six Hundred ThirtyTwo Paise SixtyNine Only
20	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver grader in sub base base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH Specification No. 406	Cum	1451.64	2685.41	Two Thousand Six Hundred EightyFive Paise FourtyOne Only
21	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502 (PWD SR 21 22 Vol III Pg no 29 Item No 5.1 A	Sqm	6477.50	49.36	FourtyNine Paise ThirtySix Only
22	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.(V III P No 29 I No 5.3 of PWD SR 2021 22)	Sqm	6477.50	13.46	Thirteen Paise FourtySix Only
23	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG 30, 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No 505 complete in all respects	Cum	337.88	11092.74	Eleven Thousand NinetyTwo Paise SeventyFour Only
24	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG 30, 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects	Cum	278.30	12934.61	Twelve Thousand Nine Hundred ThirtyFour Paise SixtyOne Only

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	d Marking with Hot Applied Thermoplastic Compound with lectorising Glass Beads on Bituminous Surface Providing and ing of hot applied thermoplastic compound 2.5 mm thick cluding reflectorising glass beads 250 g/ m2 area, thickness of ..5 mm is exclusive of surface applied glass beads as per IRC:35:2015 The finished surface to be level, uniform and free from streaks and holes MORTH Specification No 803	Sqm	217.20	536.18	Five Hundred ThirtySix Paise Eighteen Only
	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km 180 t.km	T.km	10572.11	107.69	One Hundred Seven Paise SixtyNine Only
7	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work.	Sqm	1123.77	450.93	Four Hundred Fifty Paise NinetyThree Only
28	Construction of dry lean cement concrete Sub base over a prepared sub grade with coarse and fine aggregate conforming to IS 383, the size of coarse aggregate not exceeding 25 mm,aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600 1 cement content not to be less than 150 kg/ m3 optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8 10 t vibratory roller, finishing and curing. MORTH Specification No.601	Cum	236.62	4706.76	Four Thousand Seven Hundred Six Paise SeventySix Only
29	Providing and constructing un reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade) coarse and fine aggregates conforming to IS 383 maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14 days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading unloading charges, cost and conveyance of all materials, labour, equipments etc., complete MORTH Specification No.1501 as per the directions of the Engineer in charge of the work.	Cum	238.27	7669.23	Seven Thousand Six Hundred SixtyNine Paise TwentyThree Only
30	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer in charge of the work. (Data Rate)	Sqm	171.00	9324.59	Nine Thousand Three Hundred TwentyFour Paise FiftyNine Only

Executive Engineer,
Yelahanka Division,
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	viding, laying & fixing cement base, precast, pre polished nent concrete, designer tiles 25mm thick conforming to IS 1237 avy duty tiles for flooring, treads of steps and landing, laid on a ed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. . (PWD SR 21 22 Vol II Pg no 65 Item No 9.40)	Cum	570.00	1277.64	One Thousand Two Hundred SeventySeven Paise SixtyFour Only
2	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S by vertical electrical sounding by adopting Venner orSchlumbergerss method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1)Additional rate on item 1 2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a Above 20 M and upto 30 M 15, b Above 30 M 30 (Measurement of overburden is restricted to the depth of casing	No	11.00	5242.53	Five Thousand Two Hundred FourtyTwo Paise FiftyThree Only
33	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 0 to 50 m	mtr	550.00	295.73	Two Hundred NinetyFive Paise SeventyThree Only
34	50 to 100 m	mtr	550.00	371.19	Three Hundred SeventyOne Paise Nineteen Only
35	100 to 150 m	mtr	550.00	394.64	Three Hundred NinetyFour Paise SixtyFour Only
36	150 to 200 m	mtr	550.00	457.87	Four Hundred FiftySeven Paise EightySeven Only
37	200 to 250 m	mtr	550.00	537.41	Five Hundred ThirtySeven Paise FourtyOne Only
38	250 to 300 m	mtr	550.00	569.02	Five Hundred SixtyNine Paise Two Only
39	300 to 350 m	mtr	550.00	632.25	Six Hundred ThirtyTwo Paise TwentyFive Only
40	350 to 400 m	mtr	550.00	710.77	Seven Hundred Ten Paise SeventySeven Only
41	400 to 450 m	mtr	550.00	948.37	Nine Hundred FourtyEight Paise ThirtySeven Only

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B.B.M.P, Bangalore-64

	ly of ISI mark 175mm nominal bore,plain and steel casing pipe le of steel Fe 410 of wall thickness conforming to IS 4270 2001 l latest ammendments, electrical resistance welded steel tubes, aterial and conforming to IS 1387 1993 and manufactured by asic open hearth electric or basic oxygen process in random ength of 5 7m both ends.threaded conforming to IS 554 1985 one end fixed with socket conforming to IS 4270 2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar Medium duty	Rmtr	660.00	1971.18	One Thousand Nine Hundred SeventyOne Paise Eighteen Only
43	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty C Class as per IS 1239 Part I 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50 mm	Each	550.00	3421.26	Three Thousand Four Hundred TwentyOne Paise TwentySix Only
44	PVC pipe OD 250mm and 6 Kg/sqcm	Rmtr	66.00	1121.73	One Thousand One Hundred TwentyOne Paise SeventyThree Only
45	Supplying and drawing 3 core flat PVC sheathed submersiblepump cable manufactured with electrolytic grade copper withflexible copper with low resistance conductor confirming to13:8130 1984 and virgin grade PVC insulation and powdercoating extruded PVC sheathed suitable for working voltageupto 1100 V as per IS 694:2010. 3C x 6 mm2 P. No. 4/ I No. 2.6.4 KPWD Electrical SR 2021 22	Mtr	6820.00	246.78	Two Hundred FourtySix Paise SeventyEight Only
46	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034 2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 15.00 HP 120 LPM 266 m 23 STG Outlet Dia 2.00	Nos	11.00	70625.85	Seventy Thousand Six Hundred TwentyFive Paise EightyFive Only
47	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia.	job	11.00	3824.06	Three Thousand Eight Hundred TwentyFour Paise Six Only
48	Supply and fixing polished wood board made of not lessthan 15mm thick plank on both sides of not more than 2pieces and fixing the same to the wall using tapered invertedwooden plugs screws. 20 x 20 x 2.5	Each	11.00	321.22	Three Hundred TwentyOne Paise TwentyTwo Only
49	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp (2CX 10Sqm.mm wire armoured) confirming IS 3975 1990(no.of strip indicated I GTP) AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group.A.4 Core 16Sqmm.P No.40/ I No.6.4.4 (4 core 16 Sqmm) KPWD Electrical SR 2019 20	Mtr	330.00	152.96	One Hundred FiftyTwo Paise NinetySix Only
50	Labour charges for laying of 1.1 K.V class UG cable, in existing trench GI Pipe / stoneware pipe /on wall/on poles as required In existing trencg/duct 6 Sqmm to 16 Sqmm)P No. 41 / I No. 6.5.1 KPWD Electrical SR 2019 20	Mtr	330.00	12.11	Twelve Paise Eleven Only
51	Supplying fixing of Porcelain fuse channel with cut out onexisting wooden/panel using necessary nuts, bolts andwashers. 63 A P No. 10 No.5.6.6 Part I Electrical SR 2021 22	Each	11.00	379.35	Three Hundred SeventyNine Paise ThirtyFive Only
52	Supplying fixing miniature circuit breakers on existingMCB distribution boards using necessary fixing materialsand C Type curve, indicator ON OFF energy cross 3 withShort circuit breaking capacity of 10K and complete wiring asrequired confirming to IEC 60898. 50 63 A TPN	Each	11.00	2446.38	Two Thousand Four Hundred FourtySix Paise ThirtyEight Only

Executive Engineer,
Yelahanka Division,
RRMD-I.

	ı work excavation by manual means for drains,canals, waste r, draft, approach channels, key trenches, foundation of bridges d such simillar works in all kinds of soils , as per drawing and chnical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3)	Cum	1523.25	341.00	Three Hundred FourtyOne Only
54	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete.	Cum	304.65	2442.00	Two Thousand Four Hundred FourtyTwo Only
55	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc.63mm outer dia, 6kg/sqcm class 3 for	Mtr	3385.00	156.02	One Hundred FiftySix Paise Two Only
56	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum	1015.50	136.85	One Hundred ThirtySix Paise EightyFive Only
57	Supplying fully automatic star delta starter unit push buttontype with suitable wires, 3 contactors, one adjustablethermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixingto the existing wooden board for motor. Above 12.5 HP upto 25 HP	Nos	11.00	8810.64	Eight Thousand Eight Hundred Ten Paise SixtyFour Only
58	BESCOM Deposit Charges	Nos	16.00	14276.50	Fourteen Thousand Two Hundred SeventySix Paise Fifty Only
59	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage other appurtenances required to complete the work.	Cum	208.82	527.21	Five Hundred TwentySeven Paise TwentyOne Only
60	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates Ground Floor	Cum	16.79	6647.34	Six Thousand Six Hundred FourtySeven Paise ThirtyFour Only

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	ding and laying in Reinforced cement concrete for all ement surface level works, return walls, retaining walls, sunken rs etc. The granite/trap/basalt crushed graded coarse gregates and fine aggregates as per relevant IS Codes machine ixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For Footing & Plinth Beam	Cum	8.53	7617.68	Seven Thousand Six Hundred Seventeen Paise SixtyEight Only
62	Providing and laying in Reinforced cement concrete for all Basement surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For Column	Cum	7.73	7758.75	Seven Thousand Seven Hundred FiftyEight Paise SeventyFive Only
63	Providing and laying in Reinforced cement concrete for all Basement surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For Lintel, Roof Beam and Slab	Cum	23.34	8464.09	Eight Thousand Four Hundred SixtyFour Paise Nine Only
64	Supplying, Fitting and Placing un coated TMT bar Reinforcement in sub structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600 2200	Tonne	5.04	115906.72	One Lakh Fifteen Thousand Nine Hundred Six Paise SeventyTwo Only
65	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 Part I 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications	Sqm	330.05	1348.31	One Thousand Three Hundred FourtyEight Paise ThirtyOne Only
66	Providing 12 mm cement plaster with Cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge Ground Floor	Sqm	318.50	316.33	Three Hundred Sixteen Paise ThirtyThree Only
67	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement 5 coarse sand) finished with a top layer 6 mm thick cement plaster with cement mortar 1:6 (1 cement : 6 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge.	Sqm	290.38	351.10	Three Hundred FiftyOne Paise Ten Only

Executive Engineer,
Yelana Division,

	ding and laying Vitrified tiles in different sizes (thickness to be cified by manufacturer) with water absorption less than 0.08 conforming to I.S. 15622, of approved make, in all colours ade, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 oarse sand) jointing with grey cement slurry 3.3 kg/ m2 including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 500x500 mm.	Sqm	67.57	1310.58	One Thousand Three Hundred Ten Paise FiftyEight Only
	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.	Sqm	19.35	2327.58	Two Thousand Three Hundred TwentySeven Paise FiftyEight Only
70	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer in Charge.	Sqm	27.30	2815.53	Two Thousand Eight Hundred Fifteen Paise FiftyThree Only
71	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in charge.	Sqm	318.50	117.78	One Hundred Seventeen Paise SeventyEight Only
72	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two coat applied 1.67 ltr/10 m over and including priming coat of exterior primer applied 2.20 kg/10 m^2) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in charge.	Sqm	290.38	98.02	NinetyEight Paise Two Only
73	KSRB 7.9 Providing and fixing M.S Grill work for windows and ventilators using M.S flats or M.S fsquare rods or combination of M.S flat and square rods as per approved deisgn, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materail, fixtures, labour and HOM of machinery complete as per specification. Specification No:KBS 7.12	kgs	105.00	104.63	One Hundred Four Paise SixtyThree Only
74	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. Concealed work including cutting chases and good the walls etc 32mm nominal OD pipes	Rmt	180.00	142.07	One Hundred FourtyTwo Paise Seven Only

Executive Engineer,
Yelahanka Division,
B.B.M.P, Bangalore-64

	aw Water pump Qty officer one number type Mon Block ntrifugal operation flow rate 4M3hr operation ressure.4.0kg/cm2 type of drive phase squirred cage induction motor make CRI/TEXmo 2.Multigrated sand filter (MSF) Qty offere one number Type Top and bottom flow size 15 x65 operation floe rate 4M3/hr Operation pressure 4.0kg/cm2 Type of Modia Dual Sand and anthracite Supporting media Gravels and Silex MOC of shell FRP Make PARTNER/Aventura 3.Activated Carbon filter (ACF)Qty Offere one Number Type Top and bottom flow size 16x65 operation flow rate 4M3/hr operation pressure 3.5kg/cm2 type of Media Activated carbon flakes Type of resin 150kgs MOC of shell FRP make PARTNER/Aventura JODINE VALUE 500value 4.Micro Cartridge Filter Nos 5.Antiscalent Dosing UntilQty Offere one number 6.Multistage Centrifugal pumo high pressure pump Qty Offe one nos Type Multistage Centrifugal Operation flow rate 4M3/hr operation pressure 10 to 15kg/cm2 material of construction SS 316 Make pump Cri/Kirloskar/unique Type of drive motor three phase,squired cage indicator KWRPM 2.75/2000(Approx) Make of motor crl/kirloskar 7.R.O Membrane skid consists of (SS 304) a.R.O Membrane b pressure tubes number of streams offered one	Each	5.00	1070737.50	Ten Lakh Seventy Thousand Seven Hundred ThirtySeven Paise Fifty Only
76	supplying heavy gauge pvc conduit pip dia confirming to IS 2509 with suitable size benda. Junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering dameged portion using havey gauge saddles at an intereval of 70mm using NF screws	mtr	140.00	66.28	SixtySix Paise TwentyEight Only
77	Supplin mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste et and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.	mtr	140.00	54.05	FiftyFour Paise Five Only
78	Groove cutting in the wall suppling. Dia 2mm/2.5mm thick heavy gauge PVC Conduit pipe with bends, metal junction boxes adhesive paste etc and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary.	mtr	115.00	55.07	FiftyFive Paise Seven Only
79	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc	Each	15.00	113.19	One Hundred Thirteen Paise Nineteen Only
80	supplying and fixing PVC/ Metal conduit accessories. (3/5) (ELE SR 2019 20 Page 3 Item 1.5.3)	Each	5.00	61.19	SixtyOne Paise Nineteen Only
81	Suppling and flush mounting teak wooden box without front plank made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complet.	mtr	50.00	104.01	One Hundred Four Paise One Only
82	Suppling and wiring adopting loop system in existing PVC Conduit/ casting capping using copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box. The outher end of the wires shall be terminated with sufficient loose lenght in a wood / PVC round block. compelete for each outlet.	Each	60.00	280.43	Two Hundred Eighty Paise FourtyThree Only
83	Suppling and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos, of machines screws, bolts nuts etc complete on the existing metal	No	25.00	178.46	One Hundred SeventyEight Paise FourtySix Only
84	Supplying and fixing of 32 Amps security and energy saving DP switch with key tag suitable to operate on 230 volts, 50Hz AC supply and completely wired on existing box.	Each	10.00	693.43	Six Hundred NinetyThree Paise FourtyThree Only
85	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300m Etc as required.	mtr	1290.00	20.90	Twenty Paise Ninety Only

Executive Engineer,
Yelahanka Division,
B.B.M.P, Bangalore-64

	plying and fixing of PVC casing and capping on the wall or ling using necessary materials like bends, screws at an interval f 300m Etc as required.	Each	75.00	22.43	TwentyTwo Paise FourtyThree Only
	Supplying PVC/GI Flexible conduit pipe Mm dia fixing on surface over inverted wooden pugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pie terminated completely.	Each	80.00	22.43	TwentyTwo Paise FourtyThree Only
88	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws.	Each	80.00	11.22	Eleven Paise TwentyTwo Only
89	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) 20mm nominal OD pipes.	Rmt	125.00	258.81	Two Hundred FiftyEight Paise EightyOne Only
90	Earth work excavation for Foundation by mechanical means for all works depth upto 1.5 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work.	Cum	185.84	217.61	Two Hundred Seventeen Paise SixtyOne Only
91	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement 6 coarse sand)	Cum	25.84	6081.99	Six Thousand EightyOne Paise NinetyNine Only
92	Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications.	Cum	29.67	7402.55	Seven Thousand Four Hundred Two Paise FiftyFive Only
93	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.	Cum	9.24	6647.34	Six Thousand Six Hundred FourtySeven Paise ThirtyFour Only
94	Providing and laying in position Reinforced cement concrete for all Super structures of building Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)	Cum	4.36	8010.46	Eight Thousand Ten Paise FourtySix Only

Executive Engineer,
Yelahanka Division,
B.B.M.P, Bangalore-64

	viding and laying in position Reinforced cement concrete for all per structures of building, Road works, Water works, Irrigation orks super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)	Cum	24.13	8738.69	Eight Thousand Seven Hundred ThirtyEight Paise SixtyNine Only
96	Providing and laying in position Reinforced cement concrete for all Super structures of building Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)	Cum	4.36	8090.56	Eight Thousand Ninety Paise FiftySix Only
97	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)	Cum	23.94	8826.07	Eight Thousand Eight Hundred TwentySix Paise Seven Only
98	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately)	Cum	1.03	8170.68	Eight Thousand One Hundred Seventy Paise SixtyEight Only
99	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Terrace Floor	Cum	2.69	8913.46	Eight Thousand Nine Hundred Thirteen Paise FourtySix Only

Executive Engineer,
Yelahanka Division,
B.B.M.P, Bangalore-64

	viding and constructing load bearing wall with Solid Concrete cks of size 400x200x200mm having block density more than 800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part I) 2005 and constructed with CM 1:4 as per IS 25722005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.(Page no 17, Vol 2, Item No 6.32 of PWD SR 2021 22) Ground Floor	Sqm	157.37	1348.31	One Thousand Three Hundred FourtyEight Paise ThirtyOne Only
101	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part I) 2005 and constructed with CM 1:4 as per IS 2572 2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.(Page no 17, Vol 2, Item No 6.32 of PWD SR 2021 22) First Floor	Sqm	136.40	1360.57	One Thousand Three Hundred Sixty Paise FiftySeven Only
102	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part I) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.Terrace Floor	Sqm	75.54	1372.83	One Thousand Three Hundred SeventyTwo Paise EightyThree Only
103	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge.	Sqm	91.02	283.80	Two Hundred EightyThree Paise Eighty Only
104	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge.	Sqm	92.14	286.38	Two Hundred EightySix Paise ThirtyEight Only
105	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge(Item No.8.1.1,Vol 2, Page no 41 of PWD SR 2021 22)	Sqm	313.33	244.54	Two Hundred FourtyFour Paise FiftyFour Only
106	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge(Item No.8.1.1,Vol 2, Page no 41 of PWD SR 2021 22)	Sqm	313.28	246.76	Two Hundred FourtySix Paise SeventySix Only
107	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge(Item No.8.1.1,Vol 2, Page no 41 of PWD SR 2021 22)	Sqm	87.78	248.98	Two Hundred FourtyEight Paise NinetyEight Only
108	Providing 20 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge Ground Floor	Sqm	125.85	426.26	Four Hundred TwentySix Paise TwentySix Only

Executive Engineer,
Yelahanka Division,

	viding 20 mm cement plaster with cement mortar 1:3 (1 cement: coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge First Floor	Sqm	129.63	430.13	Four Hundred Thirty Paise Thirteen Only
110	Providing 20 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge Terrace Floor	Sqm	139.34	434.01	Four Hundred ThirtyFour Paise One Only
111	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge	Sqm	360.33	93.10	NinetyThree Paise Ten Only
112	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.	Sqm	360.27	93.95	NinetyThree Paise NinetyFive Only
113	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.	Sqm	100.95	94.80	NinetyFour Paise Eighty Only
114	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in charge (Item No 8.25,Vol 2, Page no 45 of PWD SR 2021 22) Ground Floor	Sqm	360.33	117.78	One Hundred Seventeen Paise SeventyEight Only
115	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in chargeFirst Floor	Sqm	360.27	118.85	One Hundred Eighteen Paise EightyFive Only
116	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in charge Terrace Floor	Sqm	100.95	119.92	One Hundred Nineteen Paise NinetyTwo Only
117	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied 1.43 ltr/10 m over and including priming coat of exterior primer applied 2.20 kg/10 m) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in charge.Ground Floor	Sqm	138.44	152.55	One Hundred FiftyTwo Paise FiftyFive Only

Executive Engineer,
Division,
Bangalore-64

	shing walls with Premium Acrylic Smooth exterior paint with cone additives of required shade: New work (Two coats applied .43 ltr/10 m^2 over and including priming coat of exterior primer applied 2.20 kg/10 m^2) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in charge. First Floor	Sqm	142.59	153.94	One Hundred FiftyThree Paise NinetyFour Only
119	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade New work (Two coats applied 1.43 ltr/10 m^2 over and including priming coat of exterior primer applied @ 2.20 kg/10 m^2) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in charge. Terrace Floor	Sqm	153.28	155.33	One Hundred FiftyFive Paise ThirtyThree Only
120	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer in Charge. Polished Granite stone slab Black, Cherry Red, Brown Cat Eye, Lakared, River Pink, Orissa Blue or equivalent. (Ground Floor) (Item No 9.24, Vol 2, Page no 63 of PWD SR 2021 22)	Sqm	91.40	3231.69	Three Thousand Two Hundred ThirtyOne Paise SixtyNine Only
121	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer in Charge. Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, Lakared, River Pink, Orissa Blue or equivalent(First Floor) (Item No 9.24, Vol 2, Page no 63 of PWD SR 2021 22)	Sqm	102.36	3261.07	Three Thousand Two Hundred SixtyOne Paise Seven Only
122	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer in Charge. Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, Lakared, River Pink, Orissa Blue or equivalent.(Terrace Floor) (Item No 9.24, Vol 2, Page no 63 of PWD SR 2021 22)	Sqm	5.30	3290.45	Three Thousand Two Hundred Ninety Paise FourtyFive Only
123	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.	Sqm	14.52	4998.41	Four Thousand Nine Hundred NinetyEight Paise FourtyOne Only

Executive Engineer,
Yelahanka Division,
K.R.P. Bangalore-64

	,iding and laying Hassan Green / River Pink granite flooring for ,ircase, treads and rises using pre polished 20 mm thick water ,t green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.	Sqm	14.52	5043.85	Five Thousand FourtyThree Paise EightyFive Only
125	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc. complete. Ground Floor	Sqm	74.22	3447.06	Three Thousand Four Hundred FourtySeven Paise Six Only
126	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete First Floor	Sqm	80.80	3478.40	Three Thousand Four Hundred SeventyEight Paise Fourty Only
127	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete	Sqm	11.46	867.09	Eight Hundred SixtySeven Paise Nine Only
128	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.	Sqm	64.60	2327.58	Two Thousand Three Hundred TwentySeven Paise FiftyEight Only
129	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer 150 g per m2 and protection with 120gsm Geo textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product work from certified manufacturers as per the direction of the Engineer In charge.	Sqm	8.46	835.69	Eight Hundred ThirtyFive Paise SixtyNine Only
130	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400 and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer 150 g per m2 and protection with 120gsm Geo textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge	Sqm	109.44	850.88	Eight Hundred Fifty Paise EightyEight Only

Executive Engineer
Yelahanka Division

	10 3 Providing and laying integral cement based water ing treatment including preparation of surfa ce as required for atment of roofs, balconies, terrace s etc., consisting of following pplication. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound confor ming to IS:2645 over the RCCslab after cleaning the surfa ce before treatment. (b) Laying cement concrete using broken brick bats 25mm to100 mm size with 50 of ceme nt mortar 1:5 admixed with proprietary water proofing compound conforming IS: 2645 over 20mm thick layer of cement mortar1:5 adm ixed with proprietary water proofing compound to requir ed slope and treating similarly the adjo ining walls upto 300mm height including rounding off juncti ons of walls and slabs.(c)After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound. (d)Finishing the surface with20mm thick joint less cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the sur face with trowel and neat cement slurry and making of 300x300mm square. (e)The whole terrace so finished	Sqm	99.57	1135.27	One Thousand One Hundred ThirtyFive Paise TwentySeven Only
132	Providing Mathi / Nandi wood wrought and putup for purlins, common rafters and similar work including cost of materials, labour, usage charges complete as per specifications.	Cum	0.66	82962.78	EightyTwo Thousand Nine Hundred SixtyTwo Paise SeventyEight Only
133	Providing Mathi / Nandi wood wrought and putup for purlins, common rafters and similar work including cost of materials, labour, usage charges complete as per specifications.	Sqm	0.45	83716.99	EightyThree Thousand Seven Hundred Sixteen Paise NinetyNine Only
134	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part I) 1991. from manufacturer complete as per spcification.	Sqm	9.14	2959.11	Two Thousand Nine Hundred FiftyNine Paise Eleven Only
135	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part I) 1991. from manufacturer complete as per spcification.	Sqm	4.41	2986.01	Two Thousand Nine Hundred EightySix Paise One Only
136	UPVC WINDOWS Providing fixing of 3 track x 2 panel sliding windows made out of multi chambered UPVC(Matching to RAL 9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets grey colour having isolated drainage and reinforced with Galvanized Iron profile through out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm 2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P s shall not be made)	Sqm	16.96	8121.29	Eight Thousand One Hundred TwentyOne Paise TwentyNine Only

Executive Engineer.
Yelahanka Division
B.B.M.P, Bangalore-64

	C WINDOWS Providing & fixing of 3 track x 2 panel sliding dows made out of multi chambered UPVC(Matching to RAL 016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets grey colour having isolated drainage and reinforced with Galvanized Iron profile through out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm 2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P s shall not be made)	Sqm	18.20	8195.12	*Eight Thousand One Hundred NinetyFive Paise Twelve Only*
138	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation and directions of the Engineer in charge Ground Floor	Sqm	4.32	3378.64	Three Thousand Three Hundred SeventyEight Paise SixtyFour Only
139	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation and directions of the Engineer in charge First Floor	Sqm	4.32	3409.35	Three Thousand Four Hundred Nine Paise ThirtyFive Only
140	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Ground Floor	Kgs	374.00	146.95	One Hundred FourtySix Paise NinetyFive Only
141	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding First Floor	Kgs	405.00	148.28	One Hundred FourtyEight Paise TwentyEight Only
142	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc. complete as per specification and directions of the Engineer in charge.	Sqm	14.87	6022.54	Six Thousand TwentyTwo Paise FiftyFour Only

Executive Engineer,
Yeldhanna Division,

	ing and fixing M.S.Grill over existing compound wall as per, g 16mm x 16mm M.S.Square rod at 150mm c/c spacing and m x 40mm M.S flats at horizontal and 6mm x12mm M.S flat for rnamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges etc complete as per specification and directions of the Engineer in charge.	Sqm	14.87	6077.29	*Six Thousand SeventySeven Paise TwentyNine Only*
144	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer in Charge	KGS	102.99	560.86	*Five Hundred Sixty Paise EightySix Only*
145	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer in Charge	KG	102.99	565.96	Five Hundred SixtyFive Paise NinetySix Only
146	Providing and laying water proofing treatment to the Water tanks Liquid Retaining structures with two component acrylic polymer modified cementitious waterproofing membrane with minimum elongation of 50 applied 1.5 kg/m2 for internal side waterproofing in two layers with waiting period of 4 6 hrs per layer and food grade epoxy coating in two coats certified by CFTRI Mysuru, including surface preparation completely as per specification with a 10 years warranty on product work from certified manufacturers as per the direction of the Engineer In charge	Sqm	34.63	515.02	Five Hundred Fifteen Paise Two Only
147	Providing Thermo Mechanically Treated bars of grade Fe 500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)	KG	10833.00	98.71	NinetyEight Paise SeventyOne Only
148	Providing Thermo Mechanically Treated bars of grade Fe 500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Page no 84, Item No 11.32 of PWD SR 2021 22).	KG	6751.00	99.61	NinetyNine Paise SixtyOne Only

Executive Engineer,

	ding Thermo Mechanically Treated bars of grade Fe 500D or e Steel reinforcement for R.C.C. work including straightening, tting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)	KG	471.00	100.51	*One Hundred Pa FiftyOne Only*
150	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern C.P. flush bend with fittings C.I brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required	Nos	2.00	5614.23	*Five Thousand Six Hundred Fourteen Pai TwentyThree Only*
151	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of four half stall urinals with 10 litre P.V.C. automatic flushing cistern	Nos	3.00	12890.86	*Twelve Thousand Eight Hundred Ninety Paise EightySix Only*
152	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	Nos	3.00	4037.09	Four Thousand ThirtySeven Paise Nine Only
153	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia semi rigid	Nos	3.00	241.17	Two Hundred FourtyOne Paise Seventeen Only
154	Providing and fixing PTMT towel rail 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 g. complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.	Nos	3.00	426.26	Four Hundred TwentySix Paise TwentySix Only
155	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Nos	3.00	974.78	Nine Hundred SeventyFour Paise SeventyEight Only
156	Providing and fixing to wall ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges HOM of acquirements and testing complete as per specifications.For Rain water pipe do 110 mm dia complete as per specifications and directions of the Engineer in charge.	Nos	110.00	667.43	Six Hundred SixtySeven Paise FourtyThree Only
157	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (25mm nominal OD pipes) complete as per specifications.and directions of the Engineer in charge.	Mtr	25.00	328.67	Three Hundred TwentyEight Paise SixtySeven Only

Executive Engineer,
Yelahanka Division,
BWSSB Bangalore-64

	ding and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 es conforming to IS 15778, having thermal stability for hot and old water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. Concealed work including cutting chases and good the walls etc (25mm nominal OD pipes) complete as per specifications.and directions of the Engineer in charge.First Floor .	Mtr	30.00	331.65	*Three Hundre ThirtyOne Pais SixtyFive Only*
159	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc) (25mm nominal OD pipes) complete as per specifications.and directions of the Engineer in charge.Terrace Floor	Mtr	20.00	334.64	*Three Hundred ThirtyFour Paise SixtyFour Only*
160	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 20 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc) (25mm nominal OD pipes) complete as per specifications.and directions of the Engineer in charge.	Mtr	20.00	263.61	Two Hundred SixtyThree Paise SixtyOne Only
161	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3 finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. complete as per specifications and directions of the Engineer in charge.	Nos	4.00	9523.45	Nine Thousand Five Hundred TwentyThree Paise FourtyFive Only
162	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 5000 Litre capacity) as per Specification and directions of the Engineer in charge.	Nos	1.00	38295.69	ThirtyEight Thousand Two Hundred NinetyFive Paise SixtyNine Only
163	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Nos	6.00	387.00	Three Hundred EightySeven Only
164	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Nos	4.00	387.00	Three Hundred EightySeven Only

	,iding and fixing in position brass gate valve with C.I wheel of proved quality (screwed end) 25mm nominal bore including cost f all materials, labour and HOM of equipments with all leads complete as per specifications.and directions of the Engineer in charge.	Nos	4.00	592.27	Five Hundred NinetyTwo Paise TwentySeven Only
166	Providing and fixing CUBICLE WORKSTATIONS consisting of wings made out of 75 mm thick MS CRCA powder coated,tile based system for main and return spine, Top tile finish 8 mm thick MDF covered with Fabric of approved colour and one writing board (600 mm W) and one soft board (600 mm W) per workstation, Bottom tile finish 9 mm thick Laminate tile of approved colour Raceway one middle raceway (600mm W) below table top per workstation and continous raceway at the skirting level, Wire manager ABS plastic grommet one number per table,Table top 25 mm thick PLPB with straight table top End Table 25 mm thick PLPB with straightedge bound Hardware MS powder coated corner bkt, cantilever bkt, separator hook on bkt, L bkt and Table joint plate., as per specifications, drawings and as directed by Engineer in charge. X TYPE 4 wings. 3 A) Size : 1500 mmW x 1200mm D x 1200 mm ht. complete as per specifications and directions of the Engineer in charge	Nos	2.00	56086.25	FiftySix Thousand EightySix Paise TwentyFive Only
167	FREE STANDING TABLE FOR CABIN WITHOUT FRAMES Providing and fixing Free Standing Table for Cabin without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bomded End table, 18 mm thick PLPB with edge bonded Modesty, Wire manager ABS plastic grommet one number per table Hardware Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge. Main Table : 1500 mmW x 750mm D x 750 mm ht (Edgebinding table top) Side Table : 900 mm W x 450mm D X 750 mm ht.complete as per specifications and directions of the Engineer in charge	Nos	2.00	13415.83	Thirteen Thousand Four Hundred Fifteen Paise EightyThree Only
168	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge.	Sqm	42.85	6132.04	Six Thousand One Hundred ThirtyTwo Paise Four Only
169	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in charge.	Sqm	46.10	145.82	One Hundred FourtyFive Paise EightyTwo Only
170	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in charge.	Sqm	29.34	147.15	One Hundred FourtySeven Paise Fifteen Only

Executive Engineer,

	nting with synthetic enamel paint of approved brand and anufacture of required colour to give an even shade :Two coats n new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer in charge.	Sqm	42.85	148.48	One Hundred FourtyEight Paise FourtyEight Only
172	CONCEALED CONDUIT SYSTEM: Supplying mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. complete as per specifications and directions of the Engineer in charge .19/20mm	M	150.00	40.79	Fourty Paise SeventyNine Only
173	CONCEALED CONDUIT SYSTEM Supplying mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. complete as per specifications and directions of the Engineer in charge .25mm	M	50.00	54.05	FiftyFour Paise Five Only
174	Open Conduit System supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. complete as per specifications.and directions of the Engineer in charge.	M	40.00	93.82	NinetyThree Paise EightyTwo Only
175	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 19/20mm dia, 2mm thick complete as per specifications.and directions of the Engineer in charge.	M	80.00	40.79	Fourty Paise SeventyNine Only
176	Groove cutting Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 32mm dia, 2mm thick complete as per specifications.and directions of the Engineer in charge.	M	20.00	54.05	FiftyFour Paise Five Only
177	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 19/20mm deep junction box	Nos	20.00	43.85	FourtyThree Paise EightyFive Only
178	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 25 mm deep junction box	Nos	15.00	47.93	FourtySeven Paise NinetyThree Only
179	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 32mm deep junction box	Nos	10.00	61.19	SixtyOne Paise Nineteen Only
180	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge 1 to 2 way	Nos	5.00	33.65	ThirtyThree Paise SixtyFive Only

Executive Engineer,

	plying and flush mounting teak wooden box without front plant de of not less than 12mm thick wood, after due groove cutting, ecessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge 3 to 4 way	Nos	5.00	40.79	Fourty Paise SeventyNine Only
	Extra for groove cutting in brick wall /CC floor to the suitable depth for con cealing of conduitGI pipe and plastering,finishing upto wall surface complete. complete as per specifications and directions of the Engineer in charge	Nos	150.00	21.40	TwentyOne Paise Fourty Only
183	Suplplying and fixing S Hook made out of 14mm dia M.S. rod complete as per specifications and directions of the Engineer in charge	Nos	5.00	34.67	ThirtyFour Paise SixtySeven Only
184	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS 694 and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge Short point upto 3Mtrs from tapping point to out let via switch	Nos	8.00	203.95	Two Hundred Three Paise NinetyFive Only
185	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS 694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge . Medium point above 3Mtrs upto 6Mtr from Tapping point to out let via switch	Nos	8.00	280.43	Two Hundred Eighty Paise FourtyThree Only
186	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring. I Group A 1 sqmm complete as per specifications and directions of the Engineer in charge	M	100.00	14.28	Fourteen Paise TwentyEight Only
187	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS 694: confirming to Latest amendements. 2.5 sqmm complete as per specifications.and directions of the Engineer in charge.	M	80.00	32.63	ThirtyTwo Paise SixtyThree Only
188	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS 694: confirming to Latest amendements. 4 sqmm complete as per specifications.and directions of the Engineer in charge.	M	80.00	45.89	FourtyFive Paise EightyNine Only
189	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS 694 confirming to Latest amendements. 6 sqmm complete as per specifications.and directions of the Engineer in charge.	M	60.00	71.38	SeventyOne Paise ThirtyEight Only
190	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 1 to 3 module	Nos	295.00	112.17	One Hundred Twelve Paise Seventeen Only

Executive Engineer,

	plying and fixing superior quality modular switch mounting lycarbonate plate with necessary supporting back plate with equired nos. of machine screws, bolts nuts etc complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 4 module	Nos	12.00	127.47	One Hundred TwentySeven Paise FourtySeven Only
	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 6 module	Nos	10.00	178.46	One Hundred SeventyEight Paise FourtySix Only
193	Supply box type suitable for 28W T5 single / twin lamp & suspension mounted luminaire and optical reflector. Prewired with HF electronic ballast, push fit type lamp holders and main connectors. Channel cover shall be made of CRCA MS sheet and finishing is done with stone enameled white with end caps made of engineering plastic complete as per specifications and directions of the Engineer in charge a) Electronic Ballast suitable for T5 Lamp 1x24 Watt	Nos	12.00	520.07	Five Hundred Twenty Paise Seven Only
194	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF energy cross 3 with short circuit breaking capacity of 10K and Complete wiring as required. complete as per specifications and directions of the Engineer in charge 50 63 Amps SP	Nos	3.00	737.20	Seven Hundred ThirtySeven Paise Twenty Only
195	LED Drivers suitable for 5700K LED fitting Outdoor Fixtures 240W 5700K suitable for outdoor LED fitting complete as per specifications and directions of the Engineer in charge	Nos	4.00	7716.45	Seven Thousand Seven Hundred Sixteen Paise FourtyFive Only
196	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc and fixing on existing wooden or metal box using N.F.Screws. complete as per specifications and directions of the Engineer in charge	Sqcm	200.00	0.28	Paise TwentyEight Only
197	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS 374 1979 and with double ball bearing system 48 sweep (1200mm) complete as per specifications.and directions of the Engineer in charge.	Nos	8.00	2131.00	Two Thousand One Hundred ThirtyOne Only
198	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge Stepped Fan Regulator	Nos	8.00	295.60	Two Hundred NinetyFive Paise Sixty Only
199	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge TV/Telephone socket	Nos	4.00	80.55	Eighty Paise FiftyFive Only
200	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge RJ45/I.O. outlet	Nos	5.00	198.70	One Hundred NinetyEight Paise Seventy Only
201	Fixing a Ceiling/Wall mounting fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. complete as per specifications and directions of the Engineer in charge	Nos	4.00	152.90	One Hundred FiftyTwo Paise Ninety Only
202	Supplying and fixing Moulded Cases Cicuit Breaker (MCCB) over the existing wood/panel/ board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS 13947.(Icu = Ics) complete as per specifications and directions of the Engineer in charge 100Amps 25kA.	Nos	2.00	4619.47	Four Thousand Six Hundred Nineteen Paise FourtySeven Only

Executive Engineer,

	pplying and fixing Moulded Cases Cicuit Breaker (MCCB) over e existing wood/panel/ board using necessary screws, bolts, nuts nd wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS 13947.(Icu = Ics) complete as per specifications and directions of the Engineer in charge 250Amps 35kA.	Nos	1.00	15653.16	Fifteen Thousand Six Hundred FiftyThree Paise Sixteen Only
04	Supplying, fixing wiring earth electrode for gounding conduits, I.C.Cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI 2.5 mtr long buried in a pit the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12 mm dia. complete as per specifications and directions of the Engineer in charge	Nos	2.00	3058.94	Three Thousand FiftyEight Paise NinetyFour Only
205	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2Cx 10Sq.mm wire armoured) Confirming to IS 3975 1990 (No. of Strip indicated in GTP) & extruded PVC outer sheated armoured cable with confirming to the attached GTP of GROUP A. (62/7.4) 4 core 16 sqmm complete as per specifications.and directions of the Engineer in charge.	M	20.00	152.90	One Hundred FiftyTwo Paise Ninety Only
206	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. complete as per specifications.and directions of the Engineer in charge. 6sqmm to 16 sqmm	M	20.00	12.10	Twelve Paise Ten Only
207	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. complete as per specifications.and directions of the Engineer in charge 40 mm	Nos	4.00	341.60	Three Hundred FourtyOne Paise Sixty Only
208	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. complete as per specifications.and directions of the Engineer in charge 16 Sqmm	Nos	1.00	275.30	Two Hundred SeventyFive Paise Thirty Only
209	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc.complete as per specifications.and directions of the Engineer in charge 32 Amps	Nos	6.00	177.40	One Hundred SeventySeven Paise Fourty Only
210	Supplying and fixing regular MCB distribution boards on well /wood board /flush mounting using required clamps, bolts, nuts etc with provision for fixing suitable type capacity MCB s single phase /3 phase /single for with powder coated painting etc complete as per specifications.and directions of the Engineer in charge . Single Door b) 8 way SP N	Nos	2.00	978.90	Nine Hundred SeventyEight Paise Ninety Only
211	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz AC Supply complete complete as per specifications.and directions of the Engineer in charge 12 Sweep (300mm)	Nos	3.00	2141.00	Two Thousand One Hundred FourtyOne Only
212	Supplying and drawing UTP CAT 6E LAN cable omplete as per specifications.and directions of the Engineer in charge	M	10.00	29.55	TwentyNine Paise FiftyFive Only
213	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable omplete as per specifications.and directions of the Engineer in charge 2 pairs	M	15.00	14.76	Fourteen Paise SeventySix Only

Executive Engineer,
Yelahanka Division,
B.B.M.P. Bangalore-64

	ter and panel board : Supply and delivery of meter and panel barc unit one number of MS box of size 300 x 120 mm size abricated out of 2 mm thick sheet metal with sealable door arrangement for mounting the CTS (If any) cutouts 3 phase dia 4 wire energy meter and cable box complete A tranperent glass piece should be provided where the energy meter reading could be read b. panel board to operate on 50c /400/400 v (Copy enclosed) complete as per specifications.and directions of the Engineer in charge	Nos	1.00	6760.60	Six Thousand Seven Hundred Sixty Paise Sixty Only
215	Earthing supplying and fixing and wiring earth electrode for grounding circuits IC cut outs and other equipment on the meter board in the pit the pits should be filled in with a equal proportion of salt and charcoal 150 mm around the pipe to complete depth the connection from the GI wire of size as per the clause 1, 3.3 of IS 732 using 12 mm bolts nuts washers and check nuts complete (copy enclosed) complete as per specifications.and directions of the Engineer in charge	Nos	1.00	1529.30	One Thousand Five Hundred TwentyNine Paise Twelve Only
216	Providing & Installing Pumping Machinery1.50 HP 10.00 Stage with accessiories.	Nos	1.00	14565.30	Fourteen Thousand Five Hundred SixtyFive Paise Twenty Only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.